

Generic Risk Assessment

Reference Source	Title/ Description	Heavy (Adverse) Weather Encounter		IMS Procedure	FS-01-IMS13-001 - Bridge Procedures	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-004
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
	Hazard Description and Effect	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.			
Separate the job into individual tasks and record in sequence.	<p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p><u>Note:</u> Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>	<p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>Potential Severity</p>	<p>Likelihood of Occurrence</p>
Vessel preparation for adverse weather navigation	<p>H – Lack of awareness</p> <p>H – Inexperienced crew</p> <p>H- Inadequate vessel preparation</p> <p>H – Inadequate weather forecast</p> <p>H – Human factors</p> <p>H – Work organization and social factors</p> <p>E— Equipment / vessel damage</p> <p>E— Injury</p> <p>E— Fatigue</p>	<p>Personnel on board</p>	<p>3</p>	<p>C</p>	<p>C3</p>	<p>2</p>	<p>C</p>	<p>C2</p>
								<p>1. Consider route deviations to avoid or minimise adverse weather encountered (S)</p> <p>2. Consider identification of ports of refuge or shelter areas (S)</p> <p>3. Organise battering down of complete vessel (En)</p> <p>4. Check sea fastening of equipment and reinforce if required (En)</p> <p>5. Follow adverse weather procedure (A)</p> <p>6. Obtain and Monitor weather forecasts (A)</p> <p>7. Brief crew about adverse weather and appropriate behaviour (A)</p> <p>8. Essential personnel in full awareness of reduced capabilities (A)</p>

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Title/ Description		Heavy (Adverse) Weather Encounter		IMS Procedure		FS-01-IMS13-001 - Bridge Procedures		Life Saving Rule		Line of Fire		GRA. No	FS-01-IMS03-001-B-004
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk								Risk Rating	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating			Potential Severity	Likelihood of Occurrence			Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	
manning, capsize, sinking)	H – Search and Rescue – SAR - Emergencies E – Death E – Injury/Illness of personnel E – Damage to vessel E – Loss of vessel E – Damage to 3rd party property												
Heavy (adverse) weather navigation	H – Ingress of water H – Loss of stability H – Loss of Power H – Loss of propulsion H – Unwell feeling, restricted capabilities of personnel H – Dehydration H – Insufficient meals prepared/ consumed H – Loss of equipment to sea E – Fatality E – Loose parts, body impact and injury.	Personnel on board	4	C	C4	Control measures 1 to 12, as applicable	18. Galley equipment secured and food preparation limited to what is possible considering ship movement. (S) 19. Outdoors/ exposed areas, restricted as per Master orders. (I) 20. Vessel speed and course to be adjusted to limit weather effects (En) 21. Backup power supply available and tested (En)	4	A	A4			

Generic Risk Assessment

Title/ Description		Heavy (Adverse) Weather Encounter		IMS Procedure		FS-01-IMS13-001 - Bridge Procedures		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-004		
Reference Source		ICS Bridge procedures guide		A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire		
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity	Likelihood of Occurrence	Risk Rating		
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	All controls must be valid in that they reduce severity, likelihood or both.	22. Anti-slip painting on deck (as applicable). (En)	23. Observation camera's with monitors on Bridge (if equipped). (En)	24. Onboard Medical facilities on standby, seasickness' pills distribution, as required (A)	25. Monitor secured equipment and improve lashings if required (A)	22. Anti-slip painting on deck (as applicable). (En)	23. Observation camera's with monitors on Bridge (if equipped). (En)	24. Onboard Medical facilities on standby, seasickness' pills distribution, as required (A)		
	E— Pinch points. E— Slips, trips & falls E— Spills / oil pollution E— Vessel equipment damage E— Financial loss											25. Monitor secured equipment and improve lashings if required (A)		
	H— Ingress of water H— Loss of stability H— Loss of Power H— Unwell feeling, restricted capabilities of personnel Heavy (adverse) weather in port	Personnel on board	4	C	C4	Control measures 1 to 12, as applicable		26. Consider shifting vessel to anchorage or shelter area (S)	27. Galley equipment secured and food preparation limited to what is possible considering ship movement. (S)	28. Outdoors/ exposed areas, restricted as per Master orders. (I)	29. Backup power supply available and tested (En)	4	A	A4

Generic Risk Assessment

Title/ Description		Heavy (Adverse) Weather Encounter		IMS Procedure		FS-01-IMS13-001 - Bridge Procedures		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-004
Reference Source		ICS Bridge procedures guide		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire		
Tasks	A: Hazard	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows		Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	
		E— Fatality E— Loose parts, body impact and injury. E— Pinch points. E— Slips, trips & falls E— Spills / oil pollution E— Vessel equipment damage E— Financial loss E— Loss of reputation					30. Anti-slip painting on deck (as applicable). (En)					
							31. Additional mooring lines, fendering (En)					
							32. Consult Port Master instructions or advices (A)					
							33. Onboard Medical facilities on standby, seasickness' pills distribution, as required (A)					
							34. Monitor secured equipment and improve lashings if required (A)					
Assessor's Name(s)		Reviewers Name(s)		Date	1 September 2022	Time	08:00					
Miguel Ganuza, Melvin Fernandes (Initial 2021)		Muru Palaney, Tommaso Perelli (Initial 2021)		Location	FS	Rev. No	01					
Marino Buselic, Vijay Mundath (Review 2022)		Tommaso Perelli, Muru Palaney (Review 2022)		Approval	Julia Korpak	Date	1 September 2022					
		Next Review date		31 August 2023								

Generic Risk Assessment

Reference Source	Title/ Description	Control of Substances Hazardous to Health (COSHH)	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work - Control of Substances Hazardous to Health (COSHH)	Life Saving Rule	Line of Fire	GRA. No	FS-01-IMS03-001-B-005	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S= Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high or medium or low)
Use of Substances Hazardous to Health	H – Contact with substance H- Incorrect use of substance H – Adverse release of substance H – Untrained personnel H- Poor mental health of crew involved H- Unfavourable work environment (stress, victimisation, etc.) E – Injury E – Fire E – Explosion E – Environmental Spill E - Contamination	Personnel on board	4	D	D4	1. Any chemical substance without a label shall not be used (E). 2. Use only least hazardous substances (S). 3. Adequate first aid and fire-fighting equipment available and close to the worksite (En). 4. Close scuppers if applicable (En) 5. All substances supplied on board shall have SDS available to users in the vessel's working language (A). 6. COSHH assessment for all substances on board (A). 7. COSHH procedure to be adhered to (A).	3	B	B3

Generic Risk Assessment

Title/ Description	Control of Substances Hazardous to Health (COSHH)				GRA. No	FS-01-IMS03-001-B-005
Reference Source	Code of Safe Working Practices for Merchant Seafarers				FS-01-IMS03-001 Health & Safety at Work - Control of Substances Hazardous to Health (COSHH)	Line of Fire
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p> <p>8. All personnel involved to comply with cultural awareness and no harassment policy (A)</p> <p>9. All crew involved shall be fit for work. Take in account crewmember capabilities, limitations, mental health, physical health limitations. (A)</p> <p>10. Plan work schedule and regular breaks, comply with work and rest hours (A)</p> <p>11. Every crew member has the right to refuse to work with Substances Hazardous to Health, comply with speak up policy (A)</p> <p>12. Use, handle and store substances as described in SDS and CCSHH assessment (A).</p> <p>13. Ensure compatibility when multiple substances are used (A)</p>

Generic Risk Assessment

Title/ Description		Control of Substances Hazardous to Health (COSHH)				GRA. No	FS-01-IMS03-001-B-005
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work - Control of Substances Hazardous to Health (COSHH)	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)
						<p>14. Follow strictly the smoking regulations on board (A).</p> <p>15. No smoking, eating and drinking while using hazardous substances (A).</p> <p>16. Spill containment kit available and close to worksite (A).</p> <p>17. Chemical waste disposal controlled (A).</p> <p>18. IMDG Code available onboard, as required when carrying dangerous goods in bulk (A).</p> <p>19. Provide proper training in use of substances, SDS and COSHH assessment, including wearing and removing PPE (A).</p> <p>20. When finishing using the hazardous substances clean hand and PPE used (A).</p> <p>21. Provide proper supervision during the work (A).</p>	

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Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work - Control of Substances Hazardous to Health (COSHH)	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
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	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	22. Familiarization with use of eye wash station (A) 23. 'Stop the Job' Policy (A). 24. Use SIAM before the work starts (A). 25. Use of PPE as per PPE Matrix and as stated on the SDS (PPE).	From matrix, identify likelihood with controls in place for each hazard. (1-5) (A-E)
Emergency preparedness for potential emergency situation (Fire, Contaminations, burns, poisoning, skin irritations, eye irritations)	H – Fire Emergencies H – Health Emergencies H – Environmental Emergencies H- Incorrect use of Substance H – Untrained personnel E – Death E – Injury/illness of personnel E – Damage to vessel E – Damage to 3rd party property					26. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 27. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 28. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 29. Emergency equipment is available and maintained as per PMs (A)	A4
			C4	C	4	A	

Generic Risk Assessment

Title/ Description	Control of Substances Hazardous to Health (COSHH)				GRN. No	FS-01-IMS03-001-B-005
Reference Source	Code of Safe Working Practices for Merchant Seafarers		IMS Procedure	FS-01-IMS03-001 Health & Safety at Work - Control of Substances Hazardous to Health (COSHH)		Line of Fire
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Storage of Substances Hazardous to Health	H – Incorrect substance storage H – Adverse release of substance H – Contact with substance E – Injury E – Fire E – Explosion E – Environmental Spill	Personnel on board	4	C	B3	<p>30. Following storage requirements and segregate incompatible substances as required as per procedures and SDS (I).</p> <p>31. Product shall be put in quarantine in case no SDS available (I).</p> <p>32. Designated COSHH locker available onboard, well-lit and ventilated (En).</p> <p>33. Storage facility to be provided and maintained with suitable fire detection and suppression system (En).</p> <p>34. Restrict the access to the substance to authorised personnel only (A).</p> <p>35. If signs of leakage are present effort to be made to repackage the container (A).</p> <p>36. Storage space to be regularly inspected (A).</p>

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Reference Source		Code of Safe Working Practices for Merchant Seafarers		IMS Procedure		Life Saving Rule		Line of Fire
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
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					37. PPE as per PPE matrix available at the storage location (PPE).			
Assessor's Name(s)		Reviewers Name(s)		Date	1 September 2022	Time	08:00	
<i>Iris de Vos (Initial 2021)</i>		<i>Muru Palaney, Tommaso Perelli (Initial 2021)</i>		Location	FS	Rev. No	00	
<i>Maritno Buselic, Vijay Mundiath (Review 2022)</i>		<i>Tommaso Perelli, Muru Palaney (Review 2022)</i>		Approval	Julia Korpak	Date	1 September 2022	
				Next Review date	31 August 2023			

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling				GRA. No		FS-01-IMS03-001-B-006	
Reference Source	IC S Bridge procedures guide	IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	Likelihood of Occurrence	Risk Rating	
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)		
Berthing / Unberthing Mooring-Preparations	H- Misunderstanding procedures. H – Communication barrier H – Improper planning H- Slips and Trips H: Poor mental health of crew involved H: Unfavorable work environment (stress, victimization, etc.) H- Fatigue E – Injury/illness of personnel E – equipment damage	Personnel involved in the work	3	C	C3	2	B	B2	

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		Line of Fire		GRA. No	FS-01-IMS03-001-B-006
Reference Source	ICS Bridge procedures guide	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk								
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	
						6. Toolbox meeting to instruct and discuss task steps and procedure requirements (A)							

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling				GRA. No	FS-01-IMS03-001-B-006
Reference Source	ICS Bridge procedures guide		IMS Procedure		FS-01-IMS14-001 Deck Procedure	Life Saving Rule	Line of Fire
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk		
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Emergency preparedness for potential emergency situation (Mooring equipment failure, Blackout, Collision, pollution, etc.)	H-Mooring equipment failure H- Slips, trips & falls H-Damaged/ parting of mooring line E - Spills / oil pollution E-Death E – Injury E- Damage to 3 rd party property	Personnel involved in the work	4	C	C4	C	A
				21. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 22. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 23. Crew to be trained to respond to emergency by participating in	4	4	A4



Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling					GRA. No	FS-01-IMSO3-001-B-006
Reference Source	ICS Bridge procedures guide		IMS Procedure		FS-01-IMSO3-001 Deck Procedure		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high, medium or low)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify consequence with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high, medium or low)
Berthing / Unberthing Mooring- Operations	H- Brake Failure H- Hydraulic failure. H- Pinch points H- Slips, trips & falls H- Unfamiliar crew H- Damaged/ parting mooring line E- Loose parts, body impact and injury. E- Spills / oil pollution E- Fatality E-vessel equipment damage	Personnel involved in the work	4	C	Control measures 1 to 20 as applicable. 25. Snap-back zones identified (I) 26. Rotational parts covered. (I) 27. Area out of limits to personnel not involved in operations. (I) 28. Stoppers in use to be of the same material as the lines. (En). 29. CCTV camera's with monitors on Bridge (if equipped). (En) 30. Check that mooring lines are appropriately tensioned (En) 31. Anti-slip painting on deck. (En) 32. Apply appropriate tension on mooring lines (En) 33. Use SLAM before starting the operations. (A). 34. Mooring lines paid out as per Master's orders (A).	3	B	B3



Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling		IMS Procedure		FS-01-IMS14-001 Deck Procedure		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-006	
Reference Source	ICS Bridge procedures guide	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk					
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Classify risk rating from matrix for each hazard.	From matrix, identify consequence with controls in place for each hazard. (A-E)	Potential Severity	Likelihood of Occurrence				Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)						
Securing of mooring station after berthing	H- Pinch points H- Slips, trips & falls H- Unfamiliar crew H- Damaged/ parting mooring line E- Loose parts, body impact and injury. E- Fatality E- Vessel equipment damage	Personnel involved in the work	4	C	C4	35. Handle mooring lines correctly without placing yourself or team members in danger (A). 36. Always maintain operational awareness and focus on the task (A).							
Securing of mooring station after unberthing	H- Pinch points H- Slips, trips & falls H- Unfamiliar crew E- Injury. E- Vessel equipment damage	Personnel involved in the work	2	C	C2	37. Rat guards in place for each mooring line (En) 38. Ensure winch breaks are fast and winch de-clutched (En) 39. Switch off all hydraulics after completion (En) 40. Proper housekeeping of mooring stations are carried out (A) 41. Anchor secured after arrival (A)							

Generic Risk Assessment

Title/ Description		Berthing / Unberthing, Deck Mooring Lines Handling			FS-01-IMS14-001 Deck Procedure			Life Saving Rule			GRA. No		FS-01-IMS03-001-B-006	
Reference Source	ICS Bridge procedures guide	IMS Procedure		B: Initial Risk		C: Controls		D: Residual Risk		Line of Fire				
Tasks	A: Hazard	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating				
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , Medium or Low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)				
Assessor's Name(s)	Reviewers Name(s)			Date	1 Sept 2022	Time	08:00							
Miguel Ganuza, Melvin Fernandes (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)			Location	FS	Rev. No	00							
Maritno Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)			Approval	Julia Korpak	Date	1 September 2022							
	Next Review date			31 August 2023										

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools					GRA. No	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems			IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. High, medium or low</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with controls in place for each hazard. (A-E)</p>
General preparation and equipment selection for working with hand and power tools	<p>H – use of defective equipment</p> <p>H – unfamiliar with equipment</p> <p>H – inappropriate equipment selected for job</p> <p>H- inadequate housekeeping/storage of tool</p> <p>H Poor mental health of crew involved</p> <p>H: Unfavourable work environment (stress, victimization, etc.)</p> <p>H - Fatigue</p>				<ol style="list-style-type: none"> 1. Remove from service if broken, refer to Lock out / tag out procedure (E) 2. Comply with manual handling limits, all equipment and work-related articles (tools, materials etc) shall not exceed an individual's capacity to lift and carry (E) 3. Emergency stops where fitted are identified and easily accessible by the operator. (E) 4. Use bench support power tools where possible, instead of hand held (S) 	<p>B2</p> <p>B</p>	<p>C3</p> <p>C</p> <p>3</p>

Generic Risk Assessment

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Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
E – equipment damage E – inadequate work output E – Injury / Illness				5. Trailing electrical leads to be placed without presenting an obstacle/hazard to access routes. (En)	6. Use only fit for the purpose tools (En)	
				7. Tools suited for the environment, e.g. low voltage in confined spaces, intrinsically safe in explosive atmosphere (En)	8. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A)	
					9. All personnel involved to comply with cultural awareness and no harassment policy (A)	

Generic Risk Assessment

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					10. Plan work schedule and regular breaks, comply with work and rest hours (A) 11. Comply with speak up policy (A) 12. Use only certified and maintained tools (A) 13. Use electrical tools tagged for PAT (A) 14. Follow procedure Hand and power tools and portable electronic devices (A) 15. Check on safety and good working order before use. Check expiry dates – if applicable (A) 16. Monthly safety inspection including hand and power tools (A) 17. Strictly follow the manufacturers' instructions (A)	

Generic Risk Assessment

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					18. Keep all safety devices and guards fully operational (A) 19. Always attach safely tools when working overhead (A) 20. 'Stop the Job' Policy (A) 21. Use SLAM before starting the job (A) 22. HSSE observation card (A) 23. Operator trained or familiar in the use of equipment. (A) 24. Toolbox talk, where required (A) 25. Tools and associated accessories inspected before use and on completion of work. (A) 26. If work is carried out with contractors provided tools, equipment assurance procedure to be followed (A) 27. Use appropriate PPE as per PPE Matrix (PPE)	

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Emergency preparedness for potential emergency situation (Equipment failure, Blackout, Fire, electrical shock, Injury, etc.)	H – Equipment failure H – Damaged tools H – Crew incompetent for task E – Injury E – Death E – Damage to vessel E – Damage to 3 rd party property E – Fire E – Blackout	Operators, Personnel in the area 4	C C4	4 A A4	28. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 29. Adhere to FS-01-IMS17-0011 Emergency Response Manual (A) 30. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 31. Emergency equipment is available and maintained as per PMS (A)	32. Isolate work area to prevent noise or vibration exposure, as required (I) 33. Noise exposure levels to be monitored by site supervisors. (A) 34. Work share/rotation of task is recommended to reduce
Preparation for working with portable power tools: Noise and Vibration	H - Noise H - Vibration E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration	Operators, Personnel in the area 3	C C3	2 B B2		

Generic Risk Assessment

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Work with hand and power tools that have rotating	H – Tools with inadequate guarding/entanglement	Personnel working with tools	4	C	C4	Control measures 1 to 27 as applicable
					3	B
						B3

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools				GRA. No	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
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and / or moving parts	with rotating or moving parts of tool H - Incorrect use or selection of tools or attachments	E– Injuries; Bruising, Cuts, abrasions, Fracture, Amputation			40. Remove all lose clothing to prevent entanglement (E) 41. Remove all accessories that could get entangled (E)	
Work with portable pneumatic, hydraulic, and electric power tools.	H – Forces (electricity, pressure, mechanical, etc.) H- Electrical Shock E– Injuries; Burns; Muscle pain; Electric shock; Fatality.	Personnel in the area	4	C C4	Control measures 1 to 27 as applicable 42. Whip-checks to use (E) 43. All tools for outside work are 110 V rated. (En) 44. All tools and extension leads to be clearly identified with the correct colour code tag (annual inspection / PAT). (A)	3 B B3

Generic Risk Assessment

Title/ Description	Power Tools - General Operations with Hand and Power Tools				GRA. No	FS-01-IMS03-001-B-007
Reference Source	Code of Safe Working Practices for Merchant Seafarers: Chapter 18 – Provision, care and use of work equipment Chapter 20 – Work on Machinery and Power systems	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
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Assessor's Name(s)	Reviewers Name(s)	Date	1 September 2022	Time	08:00	
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)	Location	FS	Rev. No	01	
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)	Approval	Julia Korpak	Date	1 September 2022	
		Next Review date	31 August 2023			

Generic Risk Assessment

Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-008
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I= Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Hot Work – Preparation for work	H: Inadequate job preparation. H: Unaware of the hazards and controls. H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Fatigue E: Unidentified hazards and risks	All persons on board	C1 1	B1 1	B 1	B1 1

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting			IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-008	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Hot Work				
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Potential Severity	Likelihood of Occurrence					
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Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting					GRA. No	FS-01-IMS03-001-B-008
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	Hot Work	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
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						17. 'Stop the Job' known to everybody involved (A) 18. Use SLAM before starting with actual work (A)		
						19. Properly store all cylinders, acetylene and oxygen to be segregated – upright, with protective caps, away from heat, sparks and flames (I) 20. Use PAT tested equipment, maintained as per manufacturer's instructions, PMS and suitable for marine environment (En)		
						21. Use only properly certified and maintained equipment for the task including gas detection equipment (En)	3	B
						22. Protect equipment from potential mechanical damages during storage and operations – sharp edges, corners, heavy objects, etc (En)	23.	B3
Hot Work-Equipment selection	H: Equipment E: Poor quality standards of equipment used	All persons on board	4	C	C4			

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting			IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-008	
Reference Source	Code of Safe Working Practices for Merchant Seafarers												Hot Work	
Tasks	A: Hazard	B: Initial Risk			C: Controls			D: Residual Risk						
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Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	From matrix, identify risk rating from matrix for each hazard. (High, medium or low)	24. Determine level of supervision required based on competence and experience (A) 25. The operator is familiar with the equipment (A) 26. Only competent, trained, personnel to operate equipment (A)	4	B	B4					
Hot Work - Competence	H: Inadequate operation standards. E: Harm to body E: Fire	Operators	4	C	C4	27. Avoid loose items (getting caught) (A) 28. Select PPE according to PPE manual and matrix (A) 29. Prevent wearing clothes made of synthetic fibers under overalls where a risk of ignition is likely (A) 30. Select correct eye protection protecting eyes from flying particles and from UV and heat radiation (PPE) 31. PPE should be free of grease and oil and other flammable substances (PPE)	2	B	B2					
Hot Work – PPE	H: Inadequate selection of PPE. H: Inadequate use of PPE E: Harm to body	Operators	3	D	D3									

Generic Risk Assessment

Title/ Description	Hot Works, Welding / Burning / Oxygen Cutting					GRA. No	FS-01-IMS03-001-B-008		
Reference Source	Code of Safe Working Practices for Merchant Seafarers		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Hot Work		
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, Medium or Low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, Medium or Low)
Hot Work – Area preparation	H: Flammable / combustible materials in work area and surrounding areas H: Loose flammable equipment H: Inadequate housekeeping E: Fire/ Explosion	All persons in area 5	C	C5	37. Provide adequate illumination (En) 38. Provide sufficient ventilation (En) 39. If Hot Work is performed on stainless steel or chromed steel alloys, assume that Cr(VI) will	3	B B3		



Generic Risk Assessment

Title/ Description	Hot Works, Welding / Burning / Oxygen Cutting					GRA. No	FS-01-IMS03-001-B-008
Reference Source	Code of Safe Working Practices for Merchant Seafarers		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Hot Work
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	Likelihood of Occurrence
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE= Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)
Emergency preparedness for potential emergency situation (Equipment failure, Fire, electrical, shock, Injury, etc.)	H – Area of work not prepared for hot work H- Flammable materials and ignition sources H – Lack of information's E – Fire E – Explosion E – Death E – Injury E – Damage to vessel E – Damage to 3 rd party property	All personnel on board	5	C	C5	5	A A5
							Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)

Generic Risk Assessment

Title/ Description	Hot Works, Welding / Burning / Oxygen Cutting					GRA. No	FS-01-IMS03-001-B-008
Reference Source	Code of Safe Working Practices for Merchant Seafarers		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Hot Work		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E) (High, medium or low)
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	Potential Severity	Likelihood of Occurrence	Risk Rating
Execution of Hot Work operations		<p>H: Equipment (gas cylinders, electric arc welding equipment)</p> <p>E: Explosion, fire, E: Harm to body</p>		<p>D4</p> <p>4</p> <p>D</p>		<p>51. Keep Oxygen cylinders away from oils, greases and flammable gasses and with permanent and prominent "No smoking" signs (I)</p> <p>52. Use guards as required in line with manufacturer instructions, and check emergency button where fitted (En)</p> <p>53. Use the equipment properly. Attach regulators only to the correct cylinders for which they</p>	
				<p>4</p> <p>B</p>		<p>B4</p>	



Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting					GRA. No	FS-01-IMS03-001-B-008
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule	Hot Work	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating
	H: Vibration E: HAVS (Hand Arm Vibration Syndrome)	Operators	3	D	C3	are designed. Strictly follow the equipment manufacturer's instructions. (En)	54. Handle all gas cylinders with care – do not hit, drop, expose to forces (En) 55. Thoroughly visually inspect / test the equipment before use (A) 56. Use only the proper materials (e.g. welding rods, etc.) fit for purpose to perform the task at hand (A) 57. Test equipment prior to use and use only calibrated unit for testing presence of flammable vapours by competent person (A)	58. Are alternative work methods available? (S) 59. Use of Hand arm vibration calculator or tool specifications to establish safe working period (I) 60. Select appropriate tools and calculate limits to exposure (A)
Hot work – Tool handling							2	B B2

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting			GR.A. No		FS-01-IMS03-001-B-008		
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Hot Work			
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	
						61. Be aware of symptoms to allow early detection. Discuss hazard and safe working period in toolbox (A) 62. Choose suitable equipment with sufficient power for the job (A) 63. Limit duration of the task, take frequent breaks (A) 64. Obtain approval from competent authority (Class society) for the operations (A) 65. Maintain fire watches after completion until such time as risks of fire are eliminated (A) 66. Allow only competent personnel to do the work (A) 67. Change to vessel structure to be managed under MOC (A) 68. Secure workplace, all equipment used back to their storage location (E)			
	H: Amendments to vessel structure E: Structural damages	Personnel in the working area, crew	3	C	C3		3	B	B3
Hot work on vessel structure	H: Direct current E: Electrocution	Personnel in the working area, crew	4	C	C4		4	B	B4

Generic Risk Assessment

Title/ Description		Hot Works, Welding / Burning / Oxygen Cutting			GRA. No		FS-01-IMS03-001-B-008
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Hot Work	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	Risk Rating From matrix, identify likelihood with controls in place for each hazard. (A-E)
	H – Hot Surfaces H – Poor housekeeping	Personnel in the working area, crew	4	C	C4	69. Limit the direct current output to max. 70 V (code of safe working practices 23.6.1 (En)) 70. Maintain fire watches after completion until such time as risks of fire are eliminated (A) 71. Proper close out of PTW (A)	3 A A3
Completion of Hot work	E – Re-ignition of fire E – Slips and trips E – Injury						
Assessor's Name(s)		Reviewers Name(s)		Date	1 September 2022	Time	08:00
Tommaso Perelli (Initial 2021)		Muru Palaney (Initial 2021)		Location	FS	Rev. No	01
Marino Buselic, Vijay Murdath (Review 2022)		Tommaso Perelli, Muru Palaney (Review 2022)		Approval	Julia Korpak	Date	1 September 2022
		Next Review date		31 August 2023			

Generic Risk Assessment

Reference Source	Title/ Description	Power Tools- Grinding / Use of Abrasive Wheels		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No	FS-01-IMS03-001-B-009	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk					Line of Fire	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating			
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)			
		H: Inadequate job preparation. H: Unaware of the hazards and controls. H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Fatigue H: Inexperienced operator E: Unidentified hazards and risks E: Injuries				1. Assess if grinding cannot take place in designated space (such as Engine Room Workshop) (I) 2. Inform all persons involved in the work and assign tasks via toolbox meeting (A) 3. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A) 4. Determine level of supervision required based on competence and experience of the operator (A) 5. All personnel involved to comply with cultural awareness and no harassment policy (A)	1	B	C2	B1		
		All persons on board, Operators										

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No		FS-01-IMS03-001-B-009	
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Line of Fire		
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating
						6. Plan work schedule and regular breaks, comply with work and rest hours (A) 7. Comply with speak up policy (A) 8. Follow and adhere to hand and power tools procedure (A) 9. Consider if the work should be done under Hot Work PTW (A) 10. Obtain additional PTW if the task is to be performed, amongst others, in confined space, at height, over the side, LOTO, Isolation etc. (A) 11. Monitor weather and ship movement (A) 12. Be aware of SIMOPS (A) 13. 'Stop the Job' known to everybody involved (A) 14. Use SIAM before starting with actual work (A)		
Emergency preparedness for potential	H – Crew incompetent for task	All persons on board	4	C	C4	15. Prepare firefighting equipment in the area (En)	4	A A4

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No		FS-01-IMS03-001-B-009
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity Likelihood of Occurrence Risk Rating
emergency situation (Equipment failure, Blackout, Fire, electrical shock, Injury, etc.)	H: Flammable materials and ignition sources					16. For timber decks: keep the deck covered with water or other fire protection (En) 17. Provide competent fire watch with reliable communication line(s). Consider the use of VHF/UHF radios (En) 18. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 19. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 20. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 21. Emergency equipment is available and maintained as per PMS (A) 22. Monitor the working area and surrounding areas (A)	

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GR.A. No		FS-01-IMS03-001-B-009
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule		Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity Likelihood of Occurrence Risk Rating
						23. Periodically re-test for vapours during the work (A)	
						24. Use of Hand arm vibration calculator or tool specifications to establish safe working period (I)	
						25. Use equipment only if PAT tested (En)	
						26. Equipment selected shall be provided with guards as required in line with manufacturer instructions, and check emergency button where fitted (En)	
						27. Select the lowest vibration tool suitable for the job (En)	
						28. Grinding wheel suitable for equipment and within expiry date (En)	
						29. Protect equipment from potential mechanical damages during storage and operations – sharp edges, corners, heavy objects, etc (En)	
	Grinding Equipment selection	1	C	C1	1	B	B1

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No		FS-01-IMS03-001-B-009
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)
Grinding – PPE	H: Inadequate selection of PPE. H: Inadequate use of PPE E: Harm to body	Operators	3	C	C3	34. Avoid loose items (getting caught) (A) 35. Select PPE according to PPE manual and matrix (PPE) 36. Prevent wearing clothes made of synthetic fibers under overalls where a risk of ignition is likely (PPE)	2 B B2

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No		FS-01-IMS03-001-B-009
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)
Grinding – Area preparation	H: Flammable / combustible materials in work area and surrounding areas H: Loose flammable equipment H: Inadequate housekeeping H: Inadequate guards or barriers E: Fire/ Explosion from sparks E: Injuries	All persons in area	C5	C	3	B	B3

Generic Risk Assessment

Title/ Description	Power Tools- Grinding / Use of Abrasive Wheels					GRA. No	FS-01-IMS03-001-B-009
Reference Source	Code of Safe Working Practices for Merchant Seafarers		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Line of Fire
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Personnel at Risk</p> <p>Potential Severity</p> <p>Likelihood of Occurrence</p> <p>Risk Rating</p>	<p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>	<p>From matrix, identify consequence with controls in place for each hazard. (1-5)</p>	<p>Potential Severity</p> <p>Likelihood of Occurrence</p> <p>Risk Rating</p>
E: Explosion, fire, H: Harm to body E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc.	<p>H: Use of Equipment</p> <p>H: Vibration, Noise</p>	<p>All persons on board</p>	<p>4</p>	<p>C</p>	<p>C4</p>	<p>Control measures 1 to 48, as applicable</p> <p>49. Use guards as required in line with manufacturer instructions, and check emergency button where fitted (En)</p> <p>50. Maximum trigger times of tools to be complied with in line with Noise and Vibration procedure. (A)</p> <p>51. Noise exposure levels to be monitored by site supervisors. (A)</p>	<p>B</p>
G: Grinding Operations							B3

Generic Risk Assessment

Title/ Description		Power Tools- Grinding / Use of Abrasive Wheels			GRA. No		FS-01-IMS03-001-B-009
Reference Source	Code of Safe Working Practices for Merchant Seafarers	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	
						52. Planning of tasks including suitable breaks from noise/vibration exposure (A)	
						53. Secure workplace, all equipment used back to their storage location (E)	
						54. Do not leave hot surfaces unattended after grinding is completed (I)	
						55. Proper close out of PTW, where applicable (A)	
Completion of work							
H – Hot surfaces H – Poor housekeeping E – Slips and trips E – Injury		Personnel in the working area, crew	3	C	C3	2 A A2	
Assessor's Name(s)		Reviewers Name(s)		Date	1 September 2022	Time	08:00
Tommaso Perelli (Initial 2021)		Muru Palaney (Initial 2021)		Location	FS	Rev. No	01
Marino Buselic, Vijay Mundath (Review 2022)		Tommaso Perelli, Muru Palaney (Review 2022)		Approval	Julia Korpak	Date	1 September 2022
		Next Review date		31 August 2023			

Generic Risk Assessment

Reference Source	Title/ Description	Manual Handling	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	GRA. No	FS-01-IMS03-001-B-010
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows			
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.	All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence
	Manual handling - general	H – Weight, size, shape of objects H – Sharp edges, protruding nails or splinters H – Greasy surfaces H – Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Fatigue E – Injuries	Personnel involved in the work	C	C3	1. Avoid manual handling at any time when possible (E) 2. Consider use of mechanical aids, to eliminate or reduce manual handling (S) 3. Consider teamwork or load sharing by multiple people (S) 4. Lighten or break up the load into smaller loads, if possible (En) 5. In case of any size and shape making it unable to be carried easily, and use of mechanical aids is not possible, consider dismantling, or arranging the area for mechanical means of lifting, or other means as possible. In such cases the risk need to be specifically assessed (En)	2	B	B2

Generic Risk Assessment

Title/ Description	Manual Handling			Line of Fire			GRA. No	FS-01-IMS03-001-B-010	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMMSA Chapter 10 – Manual Handling			IMS Procedure			FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Risk Rating From matrix, classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
						6. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A) 7. All personnel involved to comply with cultural awareness and no harassment policy (A) 8. Plan work schedule and regular breaks, comply with work and rest hours (A) 9. Comply with speak up policy (A) 10. Strictly follow Manual handling Procedure (A) 11. Consider weight and physical ability of the person to manage the load, in any case limit the weight of load to 23 kg or 50 pounds (A) 12. Manual handling training (A)			

Generic Risk Assessment

Title/ Description	Manual Handling			Line of Fire			GRA. No	FS-01-IMS03-001-B-010	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling			IMS Procedure			FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)
	H – Adverse Weather conditions	Personnel involved in the work	3	C	C3	13. Consider weather conditions and movement of the vessel (A) 14. Consider route to undertake with the load (A)	3	B	B3
	E – Injuries					15. Consider and remove or manage the characteristics of the working area like (I) a. floor b. space to manoeuvre c. route (length, stairs, thresholds) d. lighting, e. possible obstructions f. Greasy or slippery floor g. SIMOPS along the route			
	H – Inadequate Working area	Personnel involved in the work	3	C	C3	16. For lengthy route inspect before manual carrying the load, if necessary, isolate the route (I)	3	A	A3
	E – Injuries								
	H – Incorrect manual handling techniques	Personnel involved in the work	4	C	C4	Control measures 1 to 12 17. Allow only personnel to participate that followed the	3	A	A3
	H – Fatigue								

Generic Risk Assessment

Title/ Description	Manual Handling			Line of Fire			GRA. No	FS-01-IMS03-001-B-010
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling			IMS Procedure			FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low
	H – Multiple manual handling lifts H – Slips, trips & falls H – Dropped load				'Manual Handling Awareness' training (A) 18. Reduce bending, twisting, reaching movements (A) 19. Use proper manual handling techniques: straight back, correct posture (A) 20. 'Stop the Job' Policy (A) 21. Apply SLAM before starting with the job (A) 22. Consider risk of dropped load and minimise height of fall of the load (A) 23. Wear appropriate PPEs (PPE)			
Emergency preparedness for potential emergency situation (Injury, damage to equipment)	H – Slips, trips & falls H – Drop of cargo which was manual handled	Personnel involved in the work	3	C	C3	24. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 25. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)	3	A A3

Generic Risk Assessment

Title/ Description	Manual Handling			Line of Fire			GRA. No	FS-01-IMS03-001-B-010	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA Chapter 10 – Manual Handling			IMS Procedure			FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both. (High, medium or low)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (A-E)	Potential Severity
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)			26. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 27. Emergency equipment is available and maintained as per PMS (A)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence	
								Risk Rating	
Assessor's Name(s)	Reviewers Name(s)	Date	1 September 2022	Time	08:00				
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)	Location	FS	Rev. No	01				
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)	Approval	Julia Korpak	Date	1 September 2022				
		Next Review date	31 August 2023						

Generic Risk Assessment

Title/ Description		Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No	FS-01-IMS03-001-B-011
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk		Work Authorisation
		Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	Emergency Response Manual FS-01-IMS03-001 Health & Safety at Work SOLAS Training Manual	Life Saving Rule				
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Lifeboat drill planning	H – Communication failure H – misunderstanding instructions or procedure H – Unfamiliarity with operations H - Launching without authority permission H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) H: Fatigue E – Inadequate execution				C1	1. Plan lifeboat launch in favourable weather / sea state (such as in port or sheltered area) (S) 2. Heading of vessel, create leeway (I) 3. Toolbox talk, including discussing safety training manual launching procedures and other applicable requirements (A) 4. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, body weight, body size, mental health, physical health limitations. (A)	A	A1

Generic Risk Assessment

Title/ Description	Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No	FS-01-IMS03-001-B-011
	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule		
Reference Source						Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E)
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (high, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood of occurrence
E: Injuries E: Poor results due to loss of time					5. All personnel involved to comply with cultural awareness and no harassment policy (A) 6. Plan work schedule and regular breaks, comply with work and rest hours (A) 7. Comply with speak up policy (A) 8. Clear task division (A) 9. Define ways of communication (A) 10. Obtain permission from Port Authorities or Control Room of the installation controlling offshore area (A) 11. Follow ship specific procedure and manufacturer manual (A) 12. Comply with MOPO (A) 13. Ensure lifeboat maintenance is up to date with PMS and manufacturer requirements (A)		

Generic Risk Assessment

Title/ Description	Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No	FS-01-IMS03-001-B-011
	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule		
Reference Source	Work Authorisation						
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E)
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
						14. Use certified equipment (A) 15. Only essential trained crew familiar with ship specific equipment and procedures in the lifeboat during drills (A) 16. Use appropriate PPE as per PPE Matrix (PPE)	
						17. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 18. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 19. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)	
Emergency preparedness for potential emergency situation (Equipment failure, MOB, Capsize of lifeboat, damage to equipment, Loss of lifeboat,etc.)	H – Equipment failure H – Unfamiliar crew E – Loss of lifeboat E – Death E – Injury E – Damage to equipment E - MOB	Personnel involved	4	C	C4	4	A A4

Generic Risk Assessment

Generic Risk Assessment

Title/ Description	Drill-Training - Lifeboat - Launch & Recovery & Operation				GRA. No	FS-01-IMS03-001-B-011
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Work Authorisation
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Launch of the lifeboat	H - Incorrect launch of lifeboat H - Failure to launch due to lack of maintenance/faulty equipment H – Improper conduct of lifeboat crew E – Injury E – Equipment damage	Launch team Lifeboat crew Vessel Lifeboat	5 C	C5	Control measures 1 to 28, as applicable 29. No personnel inside the boat when lowering and hoisting (E) 30. Use embarkation ladder to access the boat when waterborne (S) 31. Release hook only to be used after lifeboat is fully waterborne (off load) (En) 32. On-load release, if equipped, to be tested: (En)	4 A A4

Generic Risk Assessment

Generic Risk Assessment

Title/ Description	Drill-Training - Lifeboat - Launch & Recovery & Operation					GRA. No	FS-01-IMS03-001-B-011	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Work Authorisation		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	
	H - Failure to recover the boat due to lack of maintenance/faulty equipment H – Adverse weather developed during drill H - Untrained/unqualified crew operating the boat	Lifeboat crew Vessel Lifeboat				39. Abort drill and retrieve lifeboat if weather conditions deteriorate (E) 40. Once lifeboat is hooked up, crew to disembark before hoisting back in position (E) 41. Check that the hydrostatic safety pawl has moved to the green area (En) 42. Place back safety pin/devices when lifeboat is in position for recovery (En) 43. Secure the lifeboat when back in position (En) 44. Ensure proper housekeeping is maintained. (A) 45. Monitor weather conditions (A)	Date 1 September 2022	Time 08:00
		Assessor's Name(s)	Reviewers Name(s)					

Generic Risk Assessment

Title/ Description		Drill-Training - Lifeboat - Launch & Recovery & Operation				GRA. No	FS-01-IMS03-001-B-011
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 11 - Emergency Preparedness and Contingency Planning	IMS Procedure	FS-01-IMS17-001 Emergency Response Manual	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity
<i>Thiha, Irfan Afzal (Initial 2021)</i>	<i>Muru Palaney, Tommaso Perelli (Initial 2021)</i>	<i>Muru Palaney, Tommaso Perelli (Review 2022)</i>	<i>Location</i>	<i>FS</i>	<i>Rev. No</i>	<i>01</i>	
<i>Marino Buselic, Vijay Mundath (Review 2022)</i>	<i>Tommaso Perelli, Muru Palaney (Review 2022)</i>	<i>Approval</i>	<i>Julia Korpak</i>	<i>Date</i>	<i>1 September 2022</i>		
		<i>Next Review date</i>	<i>31 August 2023</i>				

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule Work Authorisation		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, medium or low
Ballasting and de-ballasting - Planning	H: Poor preparation H: Incorrect stability calculations H: Poor communication, loss of focus on task. H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E: Loss of Stability E: Flooding E: Structural damage due to pressurised tank	Personnel on board Vessel	C 3	C3 C 3	<p>1. Check ballast tank vents to make sure they are clear for outflow/intake of air while loading/discharging ballast to avoid over pressurizing or creating vacuum in tank that could lead to structural damage (En).</p> <p>2. Tank level sensors to be available and maintained as per PMS (En).</p> <p>3. Follow Ballast Water Management Plan (A)</p> <p>4. Person performing task should be fit for work. Take in account</p>

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
				Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)
				From matrix, identify likelihood with controls in place for each hazard. (A-E)	Potential Severity From matrix, identify likelihood with controls in place for each hazard. (A-E)
				Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations				GRA. No		FS-01-IMS03-001-B-012	
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure	FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation			
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk			
Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Potential Severity	Likelihood of Occurrence	Risk Rating	
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , Medium or Low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, Medium or Low)	
					9. Performing Stability calculations with a class approved stability program or stability booklet (A).			
					10. Personnel involved in ballast operation familiarised with system and work operation (A).			
					11. Toolbox meeting (A).			
					12. Stop the Job Policy (A).			
					13. Use SLAM before starting the job (A).			
Emergency preparedness for potential emergency situation (List, Capsize, Structural damage, Pollution, damage to	H – Wrong ballast plan H – Ballast operator mistake E – List E – Capsize E – Death E – Injury E – Pollution				14. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)			A4
					C4	C	4	A
					15. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)			



Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. High, Medium or Low
equipment, Equipment failure, etc.)	E – Damage to equipment E -Damage to 3 rd party property E -Equipment failure			16. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 17. Emergency equipment is available and maintained as per PMS (A)	
Ballasting and de-ballasting - Operations	H: Equipment malfunction H: Incorrect stability calculations H: Poor communication, loss of focus on task E: Loss of Stability E: Flooding E: Structural damage due to pressurised tank	Personnel on board Vessel 5	C C5	Control measures 1 to 17, as applicable 18. Regularly monitor tank gauges and where possible take physical soundings (En) 19. Follow ballast sequence as per plan (A). 20. Monitor ballast/de-ballast operations throughout the execution, avoid SIMOPS/distractions (A)	4 A A4

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure Plan	FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
				21. Keep proper communication between ballasting officer, engine room, bridge (A) 22. Ensure all valves are in the correct position (A) 23. Maintain ballasting equipment as per PMS (A) 24. Engine Room and Bridge manned throughout the operations (A)	25. Use equipment (Ballast Water Treatment units) (En) 26. Tank cleanings as per PMS (En) 27. Maintenance of ballast water treatment unit as per PMS (A) 28. Follow Ballast Water Management Plan and international regulations (A)
	H: Biological contamination E: Environmental adverse impact	Environment	5	C C5	B B3

Generic Risk Assessment

Title/ Description	Ballasting / De-Ballasting Operations			GRA. No	FS-01-IMS03-001-B-012
Reference Source	Code of Safe Working Practices for Merchant Seafarers OVMSA 6C Offshore operations - Cargo, bunkering, ballasting and stability OVMSA - Element 10 Environmental and energy management IMO – International Maritime Organisation	IMS Procedure FS-02-SHP-BWMP-001 – Ballast Water Management Plan	Life Saving Rule	Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
				29. Regular tank inspections as per PMS (A)	
Assessor's Name(s)	Reviewers Name(s)	Date	Location	Rev. No	Time
Iris de Vos (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)	1 September 2022	FS	01	08:00
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)	Approval	Julia Korpak	Date	1 September 2022
		Next Review date	31 August 2023		

Generic Risk Assessment

Title/ Description	Maintenance - Lifting Equipment and Accessories	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-013		
Reference Source									
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, Medium or Low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, Medium or Low)
Assessment and preparation for lifting equipment and accessories maintenance and inspection	H - Misunderstanding of procedures H - Records and certificates not monitored and maintained H - Uncoordinated task or action execution H - Unfamiliarity with the equipment and accessories to be maintained and inspected H – Poor ergonomics considerations H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – Improper task preparation			D2	D	2	B1		
						1	B		



Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories			GRA. No	FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
	E – Use of expired or poorly maintained lifting equipment or accessories			Company Safety Standard System (A) 8. Proper Documentation, Filing and Record Keeping (A) 9. TBT and TRA for the task (A) 10. LOTO and PTW in place, if required (A) 11. If maintenance to be carried 2m above deck requires the completion of Work at Height Permit with Rescue Plan and Rescue Equipment inspected and available. (A) 12. Verification of current records and certification (A) 13. Qualified and competent crew in line with procedure requirement to do the preparation and plans for the task (A) 14. Establish communication means between parties where required (A)		

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories			GRA. No	FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	<p>Hazard Description and Effect</p> <p>Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience).</p> <p>Note: Additional hazards may be caused by interaction with other work.</p>	<p>Personnel at Risk</p> <p>Name all types of personnel at risk. Remember to include people outside the work party who may be affected.</p>	<p>Potential Severity</p> <p>From matrix, identify consequence with no controls in place for each hazard. (1-5)</p>	<p>Likelihood of Occurrence</p> <p>From matrix, identify likelihood with no controls in place for each hazard. (A-E)</p>	<p>Risk Rating</p> <p>Classify risk rating from matrix for each hazard. (High, medium or low)</p>	<p>Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows</p> <p>E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment.</p> <p>All controls must be valid in that they reduce severity, likelihood or both.</p>
					<p>15. Trainings/Familiarization either on board or ashore to gain and retain full knowledge and skills. (A)</p> <p>16. Apply proper manual handling techniques where task required to handle loads (A)</p> <p>17. Use of PPE appropriate for task and in line with PPE matrix (PPE)</p>	
					<p>18. Follow the appropriate emergency response checklist</p> <p>Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)</p> <p>19. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)</p> <p>20. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A)</p>	<p>A4</p> <p>A</p>
	<p>Emergency preparedness for potential emergency situation (Slip, trips & falls, Injury, Equipment failure, etc.)</p>		<p>C4</p> <p>4</p>			

Generic Risk Assessment

Title/ Description		Maintenance - Lifting Equipment and Accessories			GRA. No		FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist	IMS Procedure	FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)
Execution of lifting equipment and accessories maintenance and inspection	H - Improper delegation of work H - Dropped Objects H - Slip, trips and fall. E - Injury E - damage to property and equipment	Crew	4	C	C4	4	A
					Control measures 1 to 21 as applicable		
					22. Positioning away from line of fire hazards (I)		
					23. Any observation found on the crane and other lifting equipment/accessories while completing the inspection must be reported and equipment must be quarantined until is repaired or offloaded (I)		
					24. Isolate work area around a suspended load and lay down areas during crane lifting test and maintenance (I)		
					25. In case of maintenance of pressurised or electrically powered lines, ensure LOTO is in		

Generic Risk Assessment

Title/ Description	Maintenance - Lifting Equipment and Accessories				GRA. No	FS-01-IMS03-001-B-013	
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist				FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule	Safe Mechanical Lifting
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)
					place and stored energy released. (En)	26. Designated banksman must be aware of his surroundings and the safety of personnel involved in the task. (A) 27. The Lifting Equipment, Load and Accessories are inspected in line with procedure and manufacturer instructions (A) 28. Responsible supervisor to be the look-out while monitoring and carrying-out the Lifting Maintenance and Inspections. (A) 29. SLAM (A) 30. Stop the Job (A)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)
Restore back to operations	H – Poor housekeeping H – Inadequate measures in place before power is restored H – Dropped object	Crew	4	C C4	31. All items especially movable and falling objects properly arranged and secured. (I) 32. All safety limits and guards are back in operation mode. (En)	4 A	A4

Generic Risk Assessment

Title/ Description	Maintenance - Lifting Equipment and Accessories			GRA. No	FS-01-IMS03-001-B-013
Reference Source	Code of Safe Working Practices for Merchant Seafarers, IMS Forms, Work Instructions and Checklist			FS-01-IMS12C-001 Lifting Equipment Procedure	Life Saving Rule
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.			Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
	H – Lifting equipment and accessories not ready for operations E – Injury E – Equipment damage E – Operations delays				33. After maintenance and inspection ensure system is ready and power back on in line with LOTO procedure (A) 34. Inspect area making sure all tools and equipment are secured. (A) 35. Good Housekeeping around the area. (A)
Assessor's Name(s)	Reviewers Name(s)		Date	1 September 2022	Time 08:00
Edgar Christopher Gopuz (Initial 2021)	Tommaso Perelli, Muru Palaney (Initial 2021)		Location	FS	Rev. No 01
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)		Approval	Julia Korpak	Date 1 September 2022
	Next Review date		31 August 2023		

Generic Risk Assessment

Reference Source	Title/ Description	Maintenance - Painting	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-014	Work Authorisation	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk					
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	
	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Failure to identify hazards of work area H - Inadequate PPE / PPE not used H: Equipment H -Noise H: Use of Equipment					1. Use of Hand arm vibration calculator or tool specifications to establish safe working period I) 2. Isolate work area to prevent noise or vibration exposure, as required (I) 3. Use guards as required in line with manufacturer instructions, and check emergency button where fitted (En) 4. Select the lowest vibration tool suitable for the job (En) 5. Assess task and complete PTW/TRA, as applicable (A) 6. Use of equipment and materials by competent and/or trained personnel as required (A) 7. Toolbox talk with all personnel involved. (A)	1	A	A1
Preparation for painting - general		Crew	1	C	C1				

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Work Authorisation		
Reference Source	Code of Safe working practices	A: Hazard	B: Initial Risk	C: Controls	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows				D: Residual Risk			
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.				Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)					From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	
	E—Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc.									8. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, mental health, physical health limitations. (A)		
	E—Improper measures in place									9. All personnel involved to comply with cultural awareness and no harassment policy (A)		
										10. Comply with work and rest hours (A)		
										11. Comply with speak up policy (A)		
										12. Thoroughly visually inspect / test the equipment before use (A)		
										13. Be aware of HAVS symptoms to allow early detection. Discuss hazard and safe working period in toolbox (A)		
										14. Maximum trigger times of tools to be known in line with Noise and Vibration procedure. (A)		
										15. Supervisors to monitor vibration exposure using the calculator belonging to and in line with		

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Work Authorisation		GRA. No	FS-01-IMS03-001-B-014
Reference Source	Code of Safe working practices	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk					
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows		Potential Severity	Likelihood of Occurrence			Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)				
Emergency preparedness for potential emergency situation	H – Instruction manual not followed H – SDS not followed E - Injury E – Poisoning	Crew on board	4	C	C4	22. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A)		4	A	A4			

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-014					
Reference Source	Code of Safe working practices	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Work Authorisation											
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows											
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity	Likelihood of Occurrence	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating						
(Poisoning, Injury, Pollution, Fire, Damage to equipment, etc.)	E – Damage to equipment E - Pollution E - Fire					23. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 24. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 25. Emergency equipment is available and maintained as per PMS (A)											
Preparation of painting area	H – Inadequate lighting in place H - Potential source of ignition (especially when painting in enclosed space or indoors) H - Inadequate ventilation (Painting in enclosed space or indoors) H – Falling from height (when painting at height) H – Spill of polluting substances to the environment H – Slips trips and falls E – Injury	Crew	4	C	C4	26. When painting on deck ensure scuppers are closed (I) 27. Work area to be swabbed and tested for Cr(VI) prior to starting. If positive, refer to Hexavalent Chromium-6 Cr(VI) GRA (En) 28. Existing lights to be maintained in good working condition. (A) 29. Additional lights used if required. (A) 30. Confined space PTW to be used and Confined space procedure to be complied with, if painting in confined spaces. (A)		4	A	A4							

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		Work Authorisation	
Reference Source	Code of Safe working practices	A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		GRA. No	FS-01-IMS03-001-B-014
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows		Potential Severity	Likelihood of Occurrence	Risk Rating	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	
	E - Pollution					31. Work at height PTW to be used and work at height procedure to be complied with, if painting at height. (A)	32. Adequate ventilation of the space, where necessary additional forced ventilation to be used (A)	31. Work at height PTW to be used and work at height procedure to be complied with, if painting at height. (A)	32. Adequate ventilation of the space, where necessary additional forced ventilation to be used (A)	31. Work at height PTW to be used and work at height procedure to be complied with, if painting at height. (A)	
						33. Continuous monitoring of the atmosphere within the confined space (A)	33. Continuous monitoring of the atmosphere within the confined space (A)	33. Continuous monitoring of the atmosphere within the confined space (A)	33. Continuous monitoring of the atmosphere within the confined space (A)	33. Continuous monitoring of the atmosphere within the confined space (A)	
						34. No smoking or hot work in the vicinity of the area. (A)	34. No smoking or hot work in the vicinity of the area. (A)	34. No smoking or hot work in the vicinity of the area. (A)	34. No smoking or hot work in the vicinity of the area. (A)	34. No smoking or hot work in the vicinity of the area. (A)	
						35. When painting on deck ensure SOPEP equipment is at hand (A)	35. When painting on deck ensure SOPEP equipment is at hand (A)	35. When painting on deck ensure SOPEP equipment is at hand (A)	35. When painting on deck ensure SOPEP equipment is at hand (A)	35. When painting on deck ensure SOPEP equipment is at hand (A)	
						36. Clear work area from obstacles before commencing, good housekeeping (A)	36. Clear work area from obstacles before commencing, good housekeeping (A)	36. Clear work area from obstacles before commencing, good housekeeping (A)	36. Clear work area from obstacles before commencing, good housekeeping (A)	36. Clear work area from obstacles before commencing, good housekeeping (A)	
						37. Check adjacent areas are suitable to allow for painting (A)	37. Check adjacent areas are suitable to allow for painting (A)	37. Check adjacent areas are suitable to allow for painting (A)	37. Check adjacent areas are suitable to allow for painting (A)	37. Check adjacent areas are suitable to allow for painting (A)	
						38. SLAM (A)	38. SLAM (A)	38. SLAM (A)	38. SLAM (A)	38. SLAM (A)	
						39. Stop the job (A)	39. Stop the job (A)	39. Stop the job (A)	39. Stop the job (A)	39. Stop the job (A)	

Generic Risk Assessment

Title/ Description		Maintenance - Painting		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-014	
Reference Source	Code of Safe working practices	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk								Work Authorisation
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows		Potential Severity		Likelihood of Occurrence	Risk Rating		
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	
						40. Mixing carried out in controlled / contained area to limit possible spill and splash effects (I)		41. Mixing chemicals to be done by trained / experienced person (A)		42. Follow strictly manufacturer instructions (A)		43. Check availability of SDS and appropriate response equipment is at hand (A)	
						44. Appropriate PPE for the task are used (PPE)		4		A		A4	
						Control measures 1 to 44, as applicable		45. Monitor weather condition for the planned task, stop task if condition becomes unsuitable. (E)		46. Keep paint in spill containment area if possible (I)		47. Adequate supervision maintained. (A)	
						48. Plan work and take regular breaks for resting (A)		3		A		A3	

Generic Risk Assessment



Generic Risk Assessment

Title/ Description		Maintenance - Painting			IMs Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-014	
Reference Source		Code of Safe working practices			B: Initial Risk		C: Controls		D: Residual Risk		Work Authorisation			
Tasks	A: Hazard	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows		Potential Severity	Likelihood of Occurrence	Risk Rating			
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard.	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	From matrix, identify likelihood for each hazard. (High, medium or low)	Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	
Assessor's Name(s)	Reviewers Name(s)			Date	Date	Date	1 September 2022	1 September 2022	Time	08:00				
Miguel Ganuza, Melvin Fernandes (Initial 2021) Marino Buselic, Vijay Mundath (Review 2022)	Muru Falaney, Tommaso Perelli (initial 2021) Tommaso Perelli, Muru Palaney (Review 2022)			Location	FS	Rev. No	01							
	Approval			Julia Korpak	Date	1 September 2022								
	Next Review date			31 August 2023										

Generic Risk Assessment

Reference Source	Code of safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-015
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Personnel at Risk Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	Potential Severity From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Task planning and preparation	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Inadequate ergonomics considerations H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – Improper measures in place	Crew	1	C	C1	<p>1. TBT with all involved (A) 2. Assess task and complete PTW/TRA, as required (A) 3. Use of equipment by competent and/or trained personnel (A) 4. Monitor possible conflict with SIMOPS (A) 5. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, mental health, physical health limitations. (A) 6. All personnel involved to comply with cultural awareness and no harassment policy (A) 7. Plan work schedule and regular breaks, comply with work and rest hours (A) 8. Comply with speak up policy (A)</p>
				1	A	A1

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Potential Severity Likelihood of Occurrence Risk Rating
						9. Verify weather forecast is suitable for the planned task (A) 10. Follow PPE matrix, verify all PPE are in good condition. (PPE)	
						11. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 12. Adhere to FS-01-IMS17-001 Emergency Response Manual (A)	
						13. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 14. Emergency equipment is available and maintained as per PMS (A)	
						15. If no guards present, then tools not to be used (E) 16. Isolate work area to prevent noise or vibration exposure, as required (I)	
Emergency preparedness for potential emergency situation (Equipment failure, Fire, Electrical shock, Injury, etc.)	H – Equipment failure H – Damaged tools H – Crew incompetent for task H – Inadequate PPE E – Injury E – Death E – Damage to vessel E – Fire	Crew involved	4	C	C4		A4
Tools selection	H - Inadequately maintained tools H – Improper tools used for the job H: Use of Equipment H: Vibration	Crew	2	C	C2		A2

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Risk Rating From matrix, identify likelihood with controls in place for each hazard. (A-E)
	E: Harm to body E: HAVS (Hand Arm Vibration Syndrome) E: Poor quality standards of equipment used E – Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc. E - Injury				17. Use of Hand arm vibration calculator or tool specifications to establish safe working period (I) 18. Check all safety guards / trips in place and operational prior use. (En) 19. Select the lowest vibration tool suitable for the job (En) 20. Selection of tools suitable for the task and area of operation (A) 21. Thorough check of tools and accessories prior use. (A) 22. Tools used and maintained as per makers instructions in an ergonomic way. (A) 23. Be aware of HAVS symptoms to allow early detection. Discuss hazard and safe working period in toolbox (A) 24. Maximum trigger times of tools to be known in line with Noise and Vibration procedure. (A)		

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush			GRA. No		FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk	Potential Severity	Likelihood of Occurrence	Risk Rating
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify risk rating from matrix for each hazard. (High, medium or low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	Risk Rating (High, medium or low)
					25. Supervisors to monitor vibration exposure using the calculator belonging to and in line with Noise and Vibration procedure (A)		
					26. Noise exposure levels to be monitored by site supervisors. (A)		
					27. Work share/rotation of task is recommended to reduce individual exposure to noise (and vibration). (A)		
					28. Planning of tasks including suitable breaks from noise/vibration exposure (A)		
					29. If pressurised tools are used, be aware and ensure appropriate measures are in place to control hazards associated with stored energy (A)		
					30. Place barriers and containment to prevent debris spreading (I)		
					31. Work area to be swabbed and tested for Cr(VI) prior to starting.		
						3	A A3
Area preparation	H – Improper lighting in place H – Inflammable or hazardous atmosphere	Crew	3 C	C3			

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	Risk Rating From matrix, identify likelihood with controls in place for each hazard. (A-E)
	H – Failure to identify hazards of work area H – Slips trips and falls H – Debris from chipping contaminating surrounding areas E – Injury E – Equipment, vessel damage E – Environmental impact					If positive, refer to Hexavalent Chromium-6 Cr(VI) GRA (En) 32. Additional lights used if required. (En) 33. Atmosphere in the space checked before commencing work. (En) 34. Additional forced ventilation if required, to maintain atmosphere (En) 35. Existing lights to be maintained in good working condition. (A) 36. Relevant permit to work and TRA obtained prior commencing work in the confined space. (A) 37. SLAM (A) 38. Clear work area of possible obstacles or inflammable substances, as required (A)	
	Chipping including use of wire brush operation	H - Vessel's motion (Rolling, pitching etc due to weather) H – Communication failure	Crew	3	C	C3	Control measures 1 to 38, as applicable 39. Monitor weather condition throughout the task, if unfavourable stop task. (E)
						2	B
							B2

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
	H – Flying particles and debris H - Fatigue E - Injury E – Equipment damage					40. Equipment used in environment as per manufacturer's instructions (Ex: Rain, Heat, Humidity etc). (En) 41. Monitor possible conflict with SIMOPS (A) 42. Adequate supervision maintained. (A) 43. Plan work and take regular breaks for resting (A)	
	H – Debris not properly disposed of H – Poor housekeeping H – Slips trips and falls E - Environmental impact E – Injury					44. Secure area, clear of debris (I) 45. Inspect work area after completion and remove any tools and materials used (A) 46. Inspect tools after work and segregate if damaged (A) 47. If area needs to be painted afterwards, refer to painting TRA (A)	
	Secure area after chipping including use of wire brush					1 C C1	A A1
Assessor's Name(s)	Reviewers Name(s)			Date	1 September 2022	Time	08:00
Miguel Ganuza, Melvin Fernandes (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)			Location	FS	Rev. No	01
Marino Buselic, Vijay Murdath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)			Approval	Julia Korpak	Date	1 September 2022

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Chipping Including Use of Wire Brush				GRA. No	FS-01-IMS03-001-B-015
Reference Source	Code of safe working practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	Risk Rating From matrix, identify likelihood with controls in place for each hazard. (A-E)
						Next Review date	31 August 2023

Generic Risk Assessment

Title/ Description	Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer					GRA. No	FS-01-IMS03-001-B-016	
Reference Source	Code of Safe Working Practices		IMS Procedure		Life Saving Rule	Line of Fire		
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect Name all types of personnel at risk. Remember to include people outside the work party who may be affected. Note: Additional hazards may be caused by interaction with other work.	Personnel at Risk From matrix, identify consequence with no controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (High, medium or Low)	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E = Elimination S=Substitution I = Isolation En=Engineering Controls A = Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity From matrix, identify consequence with controls in place for each hazard. (1-5)	Likelihood of Occurrence From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating Classify risk rating from matrix for each hazard. (high, medium or low)
Task general preparation	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Failure to identify hazards of work area H – Unfavourable ergonomics / Repetitive Stress Injury Hi. Poor mental health of crew involved Hi. Unfavourable work environment (stress, victimization, etc.) H: Use of Equipment H: Vibration E: Harm to body E: HAVS (Hand Arm Vibration Syndrome) E: Poor quality standards of equipment used	Crew	C1	1	1. Isolate work area to prevent noise or vibration exposure, as required (I) 2. Use of Hand arm vibration calculator or tool specifications to establish safe working period (I) 3. Select the lowest vibration tool suitable for the job (En) 4. Equipment used as per makers instructions in an ergonomic way. (En) 5. TBT with all involved (A) 6. Assess task and complete PTW/TRA, if necessary (A) 7. Person performing task should be fit for work. Take in account crewmember capabilities, limitations, mental health, physical health limitations. (A)	A1	A	

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer			GRA. No	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk		
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)
	E—Occupational health injuries, such as Induced hearing loss; Tinnitus, HAVS (Hand arm vibration syndrome), white finger, etc.					8. All personnel involved to comply with cultural awareness and no harassment policy (A) 9. Plan work schedule and regular breaks, comply with work and rest hours (A) 10. Comply with speak up policy (A) 11. Be aware of HAVS symptoms to allow early detection. Discuss hazard and safe working period in toolbox (A) 12. Maximum trigger times of tools to be known in line with Noise and Vibration procedure. (A) 13. Supervisors to monitor vibration exposure using the calculator belonging to and in line with Noise and Vibration procedure (A) 14. Noise exposure levels to be monitored by site supervisors. (A) 15. Work share/rotation of task is recommended to reduce
	E—Improper measures in place					

Generic Risk Assessment



Generic Risk Assessment

Title/ Description		Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer				GRA. No	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
burns, poisoning, skin irritations, eye irritations, electrical shock, etc.)	E – Death E - Injury/Illness of personnel E – Damage to vessel E – Damage to 3rd party property				24. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 25. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 26. Emergency equipment is available and maintained as per PMS (A)	27. Area to be cleared of as much debris as possible prior to commencing work. (E) 28. Secure loose equipment in the area to prevent damage or loss (I) 29. Isolate work area as appropriate to prevent accidental access (I) 30. Adequate ventilation in the space where chemicals are used. (En) 31. Existing lights to be maintained in good working condition. (A) 32. Additional lights used if required. (A)	A2
Area preparation	H – Improper lighting in place H - Inadequate ventilation H – Slips trips and falls H - Harmful chemical reaction E – Injury E – Equipment damage	Crew	2	C	C2	2	A

Generic Risk Assessment

Title/ Description		Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer			GRA. No	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)
					33. Monitor weather condition for the planned task. (A) 34. Verify compatibility of chemicals as per SDS with area of application (A)	
					35. Mixing (if any) of chemicals are done in open or well ventilated area. (I) 36. Maintenance of equipment as per manufacturer's instructions. (En) 37. Check all safety guards / trips in place and operational prior use. (En)	
					38. Select equipment suitable for task and for area of operation (A) 39. Checks as per manufacturer's instructions prior use. (A) 40. Safety data sheets for the product to be consulted prior to use. (A) 41. COSHH assessment in place and reviewed before task has been commenced. (A)	
						B2
						B

Generic Risk Assessment

Title/ Description	Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer					GRA. No	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices		IMS Procedure	FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (A-E)
Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (High, medium or low)	Classify risk rating from matrix for each hazard.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (High, medium or low)
Cleaning including use of chemicals and high-pressure washer operation execution	H - Incorrect operation of high pressure washer H - Vessel's motion (Rolling, pitching etc due to weather) H - Skin / eye contact with flying debris H – Slips trips and falls E – Injury E – Equipment damage	Crew	3	C	C3	Control measures 1 to 44, as applicable 45. Monitor weather, stop operations if weather deteriorates (E) 46. Use of equipment according manufacturer instructions (A). 47. Adequate supervision maintained. (A) 48. Maintain good housekeeping during operations to prevent creating obstacles in work area (A) 49. Be aware of hazards of stored energy (A) 50. SLAM (A) 51. Stop the Job (A)	B3 B 3



Generic Risk Assessment

Title/ Description		Maintenance -Deck – Cleaning Including Use of Chemicals and High-Pressure Washer			GRA. No	FS-01-IMS03-001-B-016
Reference Source	Code of Safe Working Practices	IMS Procedure		FS-01-IMS03-001 Health & Safety at Work	Life Saving Rule	Line of Fire
Tasks	A: Hazard	B: Initial Risk		C: Controls	D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (1-5)
Securing area after cleaning operations	H – Debris not properly disposed of H – Chemical products H – Poor housekeeping H – Slips trips and falls E – Environmental impact E – Injury	Crew	1	C	C1	52. Secure area, clear of debris (I) 53. Inspect work area after completion and remove any equipment and materials used (A) 54. Inspect equipment after work and segregate if damaged (A) 55. Dispose of chemical products or residues in line with SDS and COSHH (A)
Asessor's Name(s)	Reviewers Name(s)			Date	1 September 2022	Time 08:00
Miguel Ganuza, Melvin Fernandes (Initial 2021)	Muru Palaney, Tommaso Perelli (Initial 2021)			Location	FS	Rev. No 01
Marino Buselic, Vijay Mundath (Review 2022)	Tommaso Perelli, Muru Palaney (Review 2022)			Approval	Julia Korpak	Date 1 September 2022
	Next Review date				31 August 2023	

Generic Risk Assessment

Reference Source	COSWP	Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging	IMS Procedure	FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	GRA. No	FS-01-IMS03-001-B-017	
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk				
	Hazard Description and Effect	Potential at Risk	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I= Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity	Likelihood of Occurrence	Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). <u>Note:</u> Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)	From matrix, identify consequence with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	Risk Rating
Pilot boarding preparation	H – Communication misunderstanding H – Instructions misunderstanding H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – Incorrect ladder rigging	Crew	1	C	C1	1	A	A1

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging				GRA. No	FS-01-IMS03-001-B-017
Reference Source	COSWP	IMS Procedure		FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
						operation, including review of TRA (A) 7. Check and monitor weather conditions (A) 8. Follow MOPO (A)	
						9. Follow the appropriate emergency response checklist Appendix FS-01-IMS17-001-A Emergency Response Checklists (A) 10. Adhere to FS-01-IMS17-001 Emergency Response Manual (A) 11. Crew to be trained to respond to emergency by participating in drills as per drill matrix and planned jobs (A) 12. Emergency equipment is available and maintained as per PMS (A)	
Emergency preparedness for potential emergency situation (Equipment failure, weather condition, MOB, Capsize of Pilot boat, damage to equipment, etc.)	H – Equipment failure H – Unfamiliar crew H – Lack of Pilot experience H – Weather condition	Crew involved	4	C	C4	4	A
Pilot ladder rigging	H – Slips and trips H – Communication misunderstanding H – Instructions misunderstanding	Crew	4	C	C4	4	A
						13. Maintain good housekeeping and remove any obstruction around pilot boarding area (E)	

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging				GRA. No	FS-01-IMS03-001-B-017
Reference Source	COSWP	IMS Procedure		FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
	H – Incorrect ladder rigging H – use of damaged equipment H – Weather, sea state E – Fall overboard E – Injury E – Fatality E – equipment damage				14. Only personnel involved in operation to be present in the area (I) 15. Manual handling technique to place ladder (En) 16. Rig the ladder using the correct and approved rigging anchor points (En) 17. Rigging to the agreed height above water line (En) 18. Lifebuoy with line & light in place / MOB Boat ready. (En) 19. Sufficient lighting (En) 20. Personnel at pilot boarding station to have communication means and backup with bridge and test on arrival after TBT (A) 21. Check pilot ladder for damages and defects before rigging (A) 22. Pilot ladder rigging supervised and arrangement confirmed to bridge (A)		

Generic Risk Assessment



Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging				GRA. No	FS-01-IMS03-001-B-017
Reference Source	COSWP	IMS Procedure		FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High, medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
						35. Bridge communication with pilot boat, about speed and lee way (A) 36. Personnel involved to wear inflatable and SOLAS approved work vests/PFD's, safety lines (PPE)	
						37. Maintain good housekeeping (E) 38. Lifebuoy line & light in place and MOB boat on standby (En) 39. Correct manual handling techniques (En) 40. Proper supervision (A) 41. Inform bridge when pilot boarding area is secured (A) 42. Correct PPE (PPE) 43. All personnel to wear inflatable SOLAS approved work vests / PFD's (PPE)	
Pilot ladder recovery	H – Slips and trips H – incorrect ladder recovery H – Weather, sea state E – Fall overboard E – Injury E – Fatality E – equipment damage	Crew	4	C	C4	4	A A4
Assessor's Name(s)	Reviewers Name(s)				Date	1 September 2022	Time
Tommaso Perelli (Initial 2021)	Muru Palaney (Initial 2021)				Location	FS	Rev. No 01

Generic Risk Assessment

Title/ Description		Pilot Transfer Operations by Pilot Boat and Pilot Ladder Rigging				GRA. No	FS-01-IMS03-001-B-017
Reference Source	COSWP	IMS Procedure		FS-01-IMS14-001 - Deck Procedures	Life Saving Rule	Line of Fire	
Tasks	A: Hazard	B: Initial Risk		C: Controls		D: Residual Risk	
	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	Potential Severity Likelihood of Occurrence Risk Rating
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. High , medium or low	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
<i>Marino Buselic, Vijay Mundath (Review 2022)</i>	<i>Tommaso Perelli, Muru Palaney (Review 2022)</i>			Approval	Julia Korpak	Date	1 September 2022
				Next Review date	31 August 2023		

Generic Risk Assessment

Title/ description		Working Over the Side - Operations and Rescue			FS-01-IMSO3-001 Health & Safety at Work		Life Saving Rule		GRA. No	FS-01-IMSO3-001-B-018
Reference Source	Code of Safe Working Practices for Merchant Seafarers – Ch17	IMS Procedure	B: Initial Risk	C: Controls	D: Residual Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Working at Height	
Tasks	A: Hazard	Hazard Description and Effect	Potential at Risk	Likelihood of Occurrence	Risk Rating	From matrix, identify consequence with no controls in place for each hazard. (A-E)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	Classify risk rating from matrix for each hazard. (High, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify consequence with controls in place for each hazard. (1-5)	From matrix, identify likelihood with controls in place for each hazard. (A-E)	From matrix, identify likelihood with controls in place for each hazard. (A-E)
Work over the side preparation	H – Communication failure H – Procedure lack of understanding H – Failure to plan the task H – Failure to identify hazards of work area H: Poor mental health of crew involved H: Unfavourable work environment (stress, victimization, etc.) E – improper measures in place	Crew	1	C	C1	1	1	1	A	A1

Generic Risk Assessment

Title/ description		Working Over the Side - Operations and Rescue				IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Life Saving Rule		GRA. No		FS-01-IMS03-001-B-018	
Reference Source	Code of Safe Working Practices for Merchant Seafarers – Ch 17				A: Hazard		B: Initial Risk		C: Controls		D: Residual Risk		Working at Height		
Tasks	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating					Potential Severity	Likelihood of Occurrence				
Separate the job into individual tasks and record in sequence.	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.	From matrix, identify consequence with no controls in place for each hazard. (1-5)	From matrix, identify likelihood with no controls in place for each hazard. (A-E)	Classify risk rating from matrix for each hazard. (high, medium or low)	E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.									
						7. All personnel involved to comply with cultural awareness and no harassment policy (A)	8. Plan work schedule and regular breaks, comply with work and rest hours (A)	9. Comply with speak up policy (A)	10. Provide proper supervision of the task in line with PTW (A)	11. Allow only trained personnel to work. (A)	12. Use only approved, certified and properly maintained equipment. (A)	13. Inspection of all fall protection staging, platforms, ladders, PPE by competent person prior to job (A)	14. Use of equipment by competent and/or trained personnel (A)	15. Assess task and complete PTW/TRA (A)	16. Create rescue plan, including rescue from height and recovery



Generic Risk Assessment

Title/ description		Working Over the Side - Operations and Rescue				GRA. No	
Reference Source	Code of Safe Working Practices for Merchant Seafarers – Ch 17		IMS Procedure		FS-01-IMS03-001 Health & Safety at Work		Working at Height
Tasks	A: Hazard	B: Initial Risk	C: Controls	D: Residual Risk			
Separate the job into individual tasks and record in sequence.	Hazard Description and Effect	Personnel at Risk	Potential Severity	Likelihood of Occurrence	Risk Rating	Describe fully all controls applicable for each hazard. Control measures must be listed according to Hierarchy of Controls as follows E= Elimination S=Substitution I = Isolation En=Engineering Controls A= Administration PPE=Personal Protective Equipment. All controls must be valid in that they reduce severity, likelihood or both.	From matrix, identify consequence with no controls in place for each hazard. (1-5) From matrix, identify likelihood with controls in place for each hazard. (A-E)
	Describe all hazards identified and their effects for each task (from Hazard ID checklist and based on observations and experience). Note: Additional hazards may be caused by interaction with other work.	Name all types of personnel at risk. Remember to include people outside the work party who may be affected.				of man overboard, as applicable (A)	
						17. Always provide watchman with reliable communication line(s) (VHF/UHF radios). (A) 18. Communication means and channels agreed and established (A) 19. Assess weather for duration of task (A) 20. Follow MOPO guidelines (A) 21. Monitor possible conflict with SIMOPS (A) 22. TBT with all involved (A) 23. When work systems are involved, consider Lock out Tag out and additional control measures and PTW as applicable (A) 24. Consider environmental risks and measures as result of the work activity (A) 25. Establish correct length of fall arrest systems (such as lanyard	

